

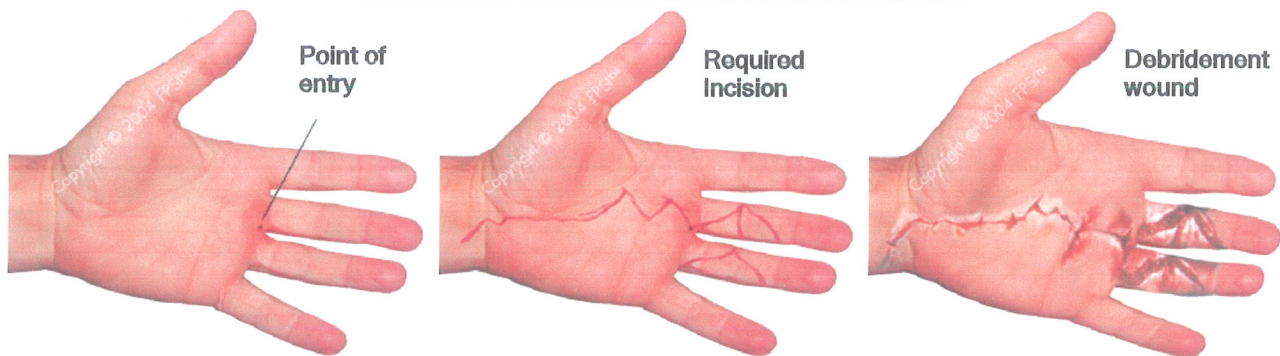
SAFETY NOTIFICATION

SAFETY INFORMATION

DESCRIPTION

This notification is intended to provide information on the hazards and risks associated with high-pressure fuel lines and other pressurized fluid systems on Caterpillar machines. Caterpillar now makes a new type of fuel system that uses a high-pressure fuel pump to make injection pressures of more than 18,000 psi. While this High Pressure Rail system has been out for a while, it is becoming more and more integrated into a lot of our common machines. The following are precautionary measures to ensure the safety of all personnel who work on these engines. Be aware that similar hazards and injury potential are present with any fluid under pressure. Please make sure that you review this bulletin in detail and that you fully understand all of the inherent dangers.

Fluid Penetration Injury with Gloves



Fluid Penetration Injury without Gloves



Current Caterpillar models with high pressure fuel systems

Model Number	Serial Number Prefix	Engine
D6K	DHA FBHJH	C6.6
D6N	DJA DJY	C6.6
953D	LBP	C6.6
963D	LCS	C6.6
938H	MJC	C6.6
12M	B9F B9R	C6.6
120M	B9N	C6.6
M316D	W6A	C6.6
M318D	W8P W8R	C6.6
M322D	W2S W2T	C6.6
924H	JTM HXC PED	C6.6
928H	BYD CXK	C6.6
930H	DHC FTD	C6.6
CS56/CP56	C5P C5S FCP FCS	C6.6
CS64/CP64	C6P C6S C7F	C6.6
CS72/CP72	C8F	C6.6
CS74/CP74	C8P C8S	C6.6
CS76/CP76	JCP JCS CYX C7L	C6.6
AP-655D	GNZ MAT	C6.6
D3K	LLL FFF	C4.4
D4K	RRR MMM	C4.4
D5K	WWW YYY	C4.4
CS54/CP54	C5R C5W C5Y	C4.4
450E	EBL	C4.4
M313D	W3H	C4.4
M315D	W5M	C4.4

RECOMMENDATIONS

- ❑ **NEVER** Crack fuel lines to bleed the system or to troubleshoot for a miss. The fuel system is self-bleeding and Electronic Technician can be used to perform Cutout tests.
- ❑ **NEVER** Check for leaks by using your hands or leaning over the engine unless the engine is not running and has been shut down for at least 1 minute and you have verified 0 PSI Rail Pressure using E.T. If you cannot find the leak using this method, with the engine running, use a long piece of cardboard or wood to check for a leak from a distance.
- ❑ **NEVER** Reuse high Pressure Fuel lines, these are one time use lines due to the inside being hardened steel. If these lines are reused, you run a great risk of causing a HIGH Pressure Leak, which could result in fire, injury, or death.

The concern is not only what this kind of pressure will do to a person, but it is also what a petroleum based substance such as fuel will do once it enters your bloodstream. Depending on the entry wound, this substance can reach your heart in a matter of hours. Once this occurs, your heart could stop beating.

Walker

HAT Service Information System

Shutdown SIS

Previous Screen

< Product: TRACK-TYPE TRACTOR
 Model: D6K XL TRACK-TYPE TRACTOR FBH
 Configuration: D6K LQP, XL TRACK-TYPE TRACTOR FBH00001 P
 (MACHINE) POWERED BY C6.6 Engine

New Components

High pressure lines are not reusable. New high pressure lines are manufactured for installation in one position only. When a high pressure line is replaced, do not bend or distort the new line. Internal damage to the pipe may cause metallic particles to be introduced to the fuel.

All new fuel filters, high pressure lines, tube assemblies and components are supplied with sealing plugs. These sealing plugs should only be removed in order to install the new part. If the new component is not supplied with sealing plugs then the component should not be used.

The technician must wear suitable rubber gloves. The rubber gloves should be disposed of immediately after completion of the repair in order to prevent contamination of the system.

Ryan T. Corbin
PS Safety Manager
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